FIG.1

100 COMMUNICATION SYSTEM

110 TRANSMITTER

120 RECEIVER

130 IP NETWORK

FIG.2

START

ST201 TRANSMIT PACKET

ST202 RECEIVE PACKET

ST203 HEAD PACKET?

ST204 MEMORIZE T_1

ST205 RECEIVED ALL PACKETS?

ST206 MEMORIZE T_2

ST209 GENERATE WINDOW-SIZE INFORMATION INDICATING DECREASE IN TRANSMISSION WINDOW SIZE

ST210 GENERATE WINDOW-SIZE INFORMATION INDICATING INCREASE IN TRANSMISSION WINDOW SIZE

ST211 RETURN NEW WINDOW-SIZE INFORMATION AND ACCUMULATIVE ACK PACKET

ST212 DELETE MEMORY VALUES T_1 AND T_2

FIG.2

110 TRANSMITTER

120 RECEIVER

AS1 (ACCUMULATIVE ACK PACKET AND NEW WINDOW-SIZE

INFORMATION)

TA (TRANSMISSION WINDOW SIZE)=4

TB (TRANSMISSION WINDOW SIZE)=3

FIG.4

110 TRANSMITTER

120 RECEIVER

AS2 (ACCUMULATIVE ACK PACKET AND NEW WINDOW-SIZE INFORMATION)

TA (TRANSMISSION WINDOW SIZE)=4

TD (TRANSMISSION WINDOW SIZE)=5

FIG.5

110 TRANSMITTER

510 RECEIVER

130 IP NETWORK

500 COMMUNICATION SYSTEM

FIG.6

START

ST601 TRANSMIT PACKET

ST602 RECEIVE PACKET

ST603 HEAD PACKET ?

ST604 MEMORIZE T_1

ST605 RECEIVED ALL PACKETS?

ST606 MEMORIZE T_2

ST610 GENERATE NEW WINDOW-SIZE INFORMATION INDICATING

DECREASE IN TRANSMISSION WINDOW SIZE

ST611 GENERATE NEW WINDOW-SIZE INFORMATION INDICATING HOLD IN TRANSMISSION WINDOW SIZE

ST612 GENERATE NEW WINDOW-SIZE INFORMATION INDICATING INCREASE IN TRANSMISSION WINDOW SIZE

ST613 RETURN NEW WINDOW-SIZE INFORMATION AND ACCUMULATIVE ACK PACKET

ST614 DELETE MEMOERY VALUES T_1 AND T_2